

GOV DOG
BRA
1016

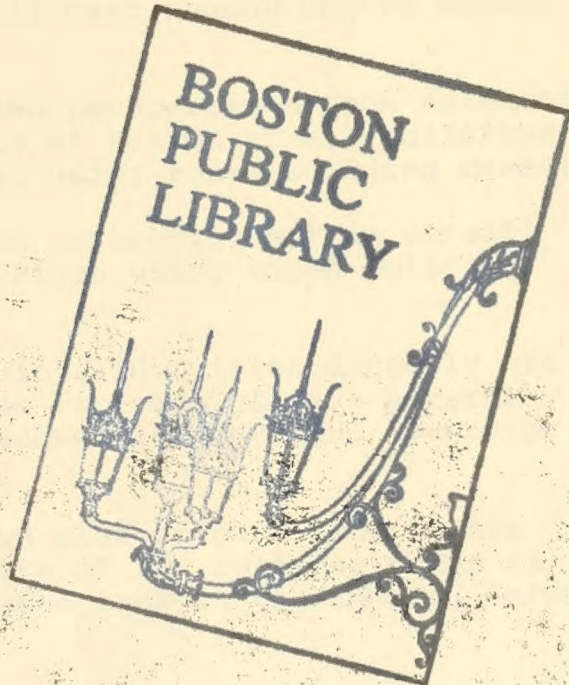
x6 card
✓

gov. 97-135

Park Plaza
III K

Property Of
BOSTON REDEVELOPMENT AUTHORITY
Library

CLIFFORD DOUGLAS STEWART ASSOCIATES



Park Plaza
C 637
P

February 1, 1975

Director, South Street
Computer-Aided Design
One City Street
Boston, Massachusetts 02108

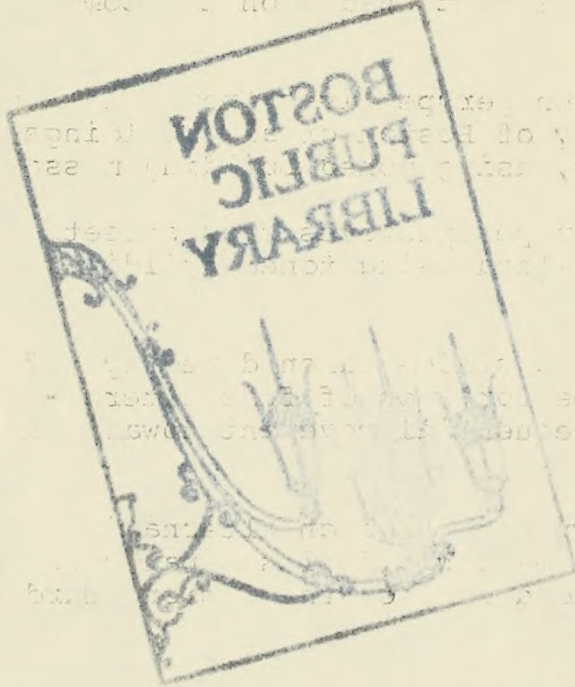
Attn: Mr. Richard A. Smith
Boston Telephone
Park Plaza

Gentlemen:

You are hereby notified to meet with the computer
general, design engineers and mechanical studies
in accordance with our correspondence and your
costs. Please refer to the attached specifications
of the project.

Based on the information that these and the following
the design of the building will provide
will be completed by the end of the year.

A. To complete the design of the building, showing
the design of the building, showing the design
the design of the building, showing the design
the design of the building, showing the design



B. To complete the design of the building, showing
the design of the building, showing the design
the design of the building, showing the design
the design of the building, showing the design

C. To complete the design of the building, showing
the design of the building, showing the design
the design of the building, showing the design
the design of the building, showing the design

D. To complete the design of the building, showing
the design of the building, showing the design
the design of the building, showing the design
the design of the building, showing the design

E. To complete the design of the building, showing
the design of the building, showing the design
the design of the building, showing the design
the design of the building, showing the design

The Saratoga Associates

3/3
Check
Bill for Stalder

February 26, 1975

Clifford Douglas Stewart Associates
Computer-Aided Design Consultants
One Court Street
Boston, Massachusetts 02108

Attn: Mr. Michael Sena

Re: Boston Redevelopment Authority
Park Plaza

Gentlemen:

You are hereby authorized to proceed with computer generated solar exposure and macro visual studies in accordance with our conversations and your proposal dated 31 January 1975; specifically: format 4, 6 days per year.

Based on Environmental Base and Development Alternative descriptions that we will provide to you, you will construct at least the following:

- A. One computer drawn sheet showing each of five alternatives in plan including the physical environs which will cast shadow on the Common and Garden.
- B. Four computer drawn perspectives from selected points in the City of Boston of all buildings shown in A. above, using toned building masses.
- C. Two computer drawn perspectives from streets adjacent to Park Plaza using toned building masses.
- D. Twenty photographic slides taken directly off a cathode ray tube for each of five alternatives showing a sequential movement toward or past Park Plaza.
- E. One computer drawn plan of each alternative showing a composite of six full sun paths as gradations of shaded area on the Common, Garden and streets.

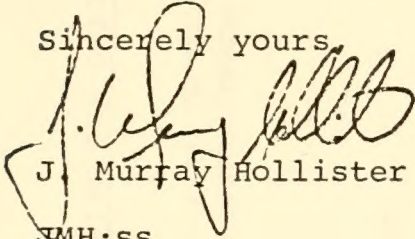
The Saratoga Associates

F. Storage of all information on magnetic tape.

It is our understanding that this format will accurately respond to the question ... "What percentage of time will each segment of the ground plane be in shadow per year?"

Upon receipt of your invoice, compensation in proportion to work accomplished will be requested in our next regular monthly billing to the Boston Redevelopment Authority. Immediately upon receipt of payment, it will be forwarded to you. Total compensation will amount to the lump sum of \$4,340.

Sincerely yours,


J. Murray Hollister

JMH:ss

Approved by the Boston Redevelopment Authority

By: _____

Date: _____

Approved by Clifford Douglas Stewart Associates

By: _____

Date: _____

clifford douglas stewart associates

ARCHITECTS
ONE COURT STREET
BOSTON, MA 02108 (617) 742-6395
TELEX 94-08-44

PLANNERS
COMPUTER-AIDED DESIGN CONSULTANTS

PROPOSAL FOR PROVIDING SUN SHADOW INFORMATION:

THE EFFECT OF PARK PLAZA ON THE BOSTON
PUBLIC GARDEN AND BOSTON COMMON

Submitted to:

Saratoga Associates
The Arcade
Saratoga Springs, New York 12866

31 January 1975
M. Sena

Scope of Work:

Two Gardens

Provide information on the location of shadows on the Boston Common generated as a result of five alternate proposals for Park Plaza.

A matrix of options and their related costs is enclosed with the number of calculations and the degree of detail as the major variables.

Matrix of Options and Related Costs

# of Days/Year	Format					
	1	2	3	4	5	6
	Calculated Grid	Limited Graphics	Limited Graphics & Grid	Detailed Graphics	Detailed Graphics & Grid	Graphic Representation Calculated Grid
3 Days	\$ 2400.00	2980.00	3880.00	4040.00	4940.00	ADD 1100.00
6 Days	2550.00	3280.00	4180.00	4340.00	5240.00	1300.00
12 Days	2700.00	3580.00	4480.00	4940.00	5840.00	1700.00

Format

1. Calculated Grid

Example 3 Days

Computer Consulting	40 hrs @ 25	1000.
Computer Time	30 hrs @ 40	1200.
Man Hours	10 x 8 x 2.5	260.
		<u>2400.</u>

2. Limited Graphics

Example 3 Days

Digesting		180.
Computer Consulting	20 hrs @ 25	500.
Computer Time	35 hrs @ 40	1400.
Man Hours	45 x 8 x 2.5	900.
		<u>2980.</u>

Output

a. Number of minutes per day that each grid square is in sun for each of five alternates.

a.

1 computer drawn sheet showing each of five alternates in plan including those buildings adjacent to Common and Garden on South and West sides.

b.

4 computer drawn perspectives from selected points in the City of Boston all buildings shown in a. above without hidden line removal.

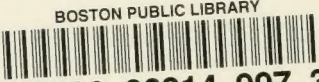
c.

1 computer drawn plan of each alternate for each day showing one full sun path as a shaded area on the Common, Public Garden and streets.

d.

Storage of all information on magnetic tape to be used in testing future proposals.

BOSTON PUBLIC LIBRARY



3 9999 06314 997 3

1. The first...

2. The second...

3. The third...

4. The fourth...

5. The fifth...

6. The sixth...

7. The seventh...

8. The eighth...

9. The ninth...

10. The tenth...

11. The eleventh...

12. The twelfth...

13. The thirteenth...

14. The fourteenth...

15. The fifteenth...

16. The sixteenth...

17. The seventeenth...

18. The eighteenth...

19. The nineteenth...

20. The twentieth...

21. The twenty-first...

22. The twenty-second...

23. The twenty-third...

24. The twenty-fourth...

25. The twenty-fifth...

26. The twenty-sixth...

27. The twenty-seventh...

28. The twenty-eighth...

29. The twenty-ninth...

30. The thirtieth...

31. The thirty-first...

32. The thirty-second...

33. The thirty-third...

34. The thirty-fourth...

35. The thirty-fifth...

36. The thirty-sixth...

37. The thirty-seventh...

38. The thirty-eighth...

39. The thirty-ninth...

40. The fortieth...

3.	Limited Graphics & Calculated Grid	
	<u>Example 3 Days</u>	
	Cost of #2	2980.
	Extra Computer 15 hrs @ 40	600.
	Extra Computer Consulting 15 hrs @ 20	300.
		<u>3880.</u>

4.	Detailed Graphics	
	<u>Example 3 Days</u>	
	Digitizing	240.
	Computer Consulting	500.
	Computer Time 55 hrs @ 40	2200.
	Man Hours 55 x 8 x 2.5	1000.
		<u>4040.</u>

5.	Detailed Graphics & Calculated Grid	
	<u>Example 3 Days</u>	
	Cost of #4	4040.
	Extra Computer	600.
	Extra Computer Consulting	300.
		<u>4940.</u>

6.	Graphic Representation	
	of Calculated Grid	
	Man Hours 40 x 8 x 2.5	700.
	Computer 10 x 40	400.
		<u>1100.</u>

- a. All of the output for #2 with the addition of a grid and the number of minutes per day that each grid square is in sun for each of five alternates.
- a. 1 computer drawn sheet showing each of five alternates in plan including those buildings adjacent to Common and Garden on South and West sides.
- b. 4 computer drawn perspectives from selected points in the City of Boston of all buildings shown in a. above using toned building masses.
- c. 2 computer drawn perspectives from streets adjacent to Park Plaza using toned building masses.
- d. 20 photographic slides taken directly off the cathode ray tube for each of five alternates showing a sequential movement toward or past Park Plaza.
- e. 1 computer drawn plan of each alternate for each day showing one full sun path as a shaded area on the Common, Public Garden and streets.
- f. Storage of all information on magnetic tape.
- a. All of the output for #4 with the addition of a grid and the number of minutes per day that each grid square is in sun.
- a. Black and White toned drawing showing the number of minutes each grid would be in sun for a whole day for each alternate.

